

1. D.

2. A

3. E

4. 6%

5. (a)  $\frac{1}{b^2}$

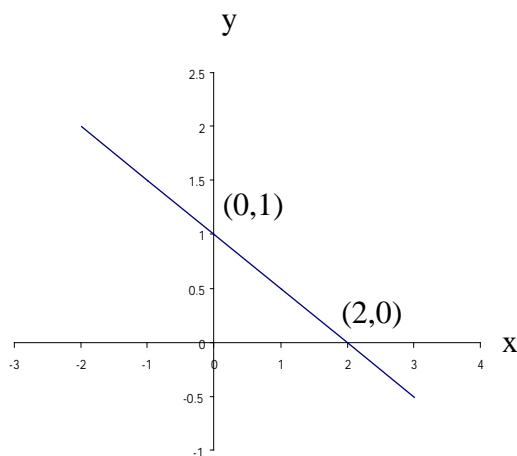
(b)  $-12x^5y^8$

(c)  $\frac{x^9}{8y^{18}}$

6. (a)  $x = \frac{3}{4}$  or .75

(b)  $x = \frac{11}{5}$  or 2.2

7.



8.  $4.0 \times 10^{-10}$

9. 4.8 hours

10. first number = 23

second number = 134

third number = 53